

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-48 (cancelled).

49 (new). A method for sharing data with one or more recipients, the method comprising:

- identifying a selection of data to be shared;
- creating and storing a bundle containing information about the selection of data in a location accessible by a bundle server;
- associating bundle identification information with the bundle;
- creating a token representing the bundle, the token including the bundle identification information;
- providing the token to a recipient;
- establishing communication between the recipient and the bundle server;
- receiving a request for the bundle from the recipient, the request comprising, at least in part, the bundle identification information from the token; and
- providing a copy of the bundle to the recipient having the token;
- wherein the bundle identification information comprises:
 - a bundle identifier comprising a value generated randomly within a range of one million or more possible values;
 - a bundle store identifier comprising a value generated randomly within a range of one million or more possible values; and
 - an encrypted bundle name, corresponding to a bundle name associated with the bundle, the encrypted bundle name generated using the bundle store private key.

50 (new). The method of claim 49 wherein creating the bundle comprises storing the bundle in a bundle store, the bundle store associated with a bundle store sharer identity, the bundle store sharer identity being unique among a

plurality of bundle store sharer identities corresponding to a plurality of bundle stores accessible to the bundle server, the bundle store containing one or more bundles, corresponding to a sharer, the sharer having a sharer identity, matching the bundle store sharer identity.

51 (new). The method of claim 50 wherein the bundle store is associated with a bundle store key pair generated by an asymmetric encryption system, the key pair including a bundle store public key and a bundle store private key and wherein creating the token comprises including the bundle store public key in the token.

52 (new). An apparatus for sharing a plurality of selections of data, the apparatus comprising:

a plurality of bundle servers, each of the bundle servers configured for:

creating a bundle;

storing information about a selection of data in the bundle;

generating a bundle identification that is private and has a value that is one of one million or more possible values and associating it with the bundle; and

communicating the information about a selection of data in the bundle when provided with a requested bundle identification corresponding to a bundle that is accessible by the bundle server;

a plurality of tokenizers, each of the tokenizers configured for:

identifying a selection of data from a sharer;

providing the selection of data to a bundle server to create a bundle;

obtaining the bundle identification from the bundle server;

creating a token representing the bundle, the token including the bundle identification; and

providing the token to the sharer; and

a plurality of redeemers, each of the redeemers configured for:

obtaining a token;

establishing communication with a bundle server having access to the bundle, and communicating with the bundle server, communicating

comprising:

- requesting the bundle identified by the bundle identification in the token; and
- receiving a copy of the bundle,
- whereby receiving depends on having the token.

53 (new). A method for sharing data with one or more recipients, the method comprising:

- identifying a selection of data to be shared;
- creating and storing a bundle containing information about the selection of data in a location accessible by a bundle server;
- associating bundle identification information with the bundle;
- creating a token representing the bundle, the token including the bundle identification information;
- providing the token to a recipient;
- establishing communication between the recipient and the bundle server;
- receiving a request for the bundle from the recipient, the request comprising at least in part the bundle identification information from the token; and
- providing a copy of the bundle to the recipient having the token;
- wherein the bundle identification information comprises a value generated randomly within a range of one million or more possible values; and
- wherein the token includes a plurality of bundle server communication addresses corresponding to the bundle server and the method comprises establishing communication with the bundle server by attempting communication with the bundle server using different ones of the plurality of bundle server communication addresses until communication is established with the bundle server.

54 (new). A method for sharing data with one or more recipients, the method comprising:

- identifying a selection of data to be shared;
- creating and storing a bundle containing information about the selection of data in a location accessible by a bundle server;
- associating bundle identification information with the bundle;

creating a token representing the bundle, the token including the bundle identification information;
providing the token to a recipient;
establishing communication between the recipient and the bundle server;
receiving a request for the bundle from the recipient, the request comprising at least in part the bundle identification information from the token; and
providing a copy of the bundle to the recipient having the token;
wherein the bundle identification information comprises a value generated randomly within a range of one million or more possible values; and
wherein establishing communication comprises using a searching method, the searching method comprising attempting communication with the bundle server at each of a plurality of candidate addresses to determine if a candidate address corresponds to the bundle server.

55 (new). A method for sharing data with one or more recipients, the method comprising:

identifying a selection of data to be shared;
creating and storing a bundle containing information about the selection of data in a location accessible by a bundle server;
associating bundle identification information with the bundle;
creating a token representing the bundle, the token including the bundle identification information;
providing the token to a recipient;
establishing communication between the recipient and the bundle server;
receiving a request for the bundle from the recipient, the request comprising at least in part the bundle identification information from the token; and
providing a copy of the bundle to the recipient having the token;
wherein the bundle identification information comprises a value generated randomly within a range of one million or more possible values;
wherein the bundle includes a retrieval limit and a retrieval count; and
wherein the method comprises inhibiting providing the copy of the bundle if providing the copy of the bundle would cause the retrieval count to exceed

the retrieval limit.

56 (new). A method according to claim 55 comprising:
incrementing the retrieval count each time a copy of the bundle is
provided to a recipient.

57 (new). A method for sharing data with one or more recipients, the
method comprising:

- identifying a selection of data to be shared;
- creating and storing a bundle containing information about the
selection of data in a location accessible by a bundle server;
- associating bundle identification information with the bundle;
- creating a token representing the bundle, the token including the
bundle identification information;
- providing the token to a recipient;
- establishing communication between the recipient and the bundle
server;
- receiving a request for the bundle from the recipient, the request
comprising at least in part the bundle identification information from the token; and
- providing a copy of the bundle to the recipient having the token;
wherein the bundle identification information comprises a value
generated randomly within a range of one million or more possible values;
- wherein the bundle is associated with:
 - a retrieved data quota, and
 - a total retrieved data amount, based on an accumulation of
retrieved data amounts corresponding to the bundle;
- and
- wherein the method comprises inhibiting providing the copy of the
bundle if providing the copy of the bundle would cause the total retrieved data amount
to exceed the retrieved data quota.

58 (new). A method for sharing data with one or more recipients, the
method comprising:

- identifying a selection of data to be shared;

creating and storing a bundle containing information about the selection of data in a location accessible by a bundle server;
associating bundle identification information with the bundle;
creating a token representing the bundle, the token including the bundle identification information;
providing the token to a recipient;
establishing communication between the recipient and the bundle server;
receiving a request for the bundle from the recipient, the request comprising at least in part the bundle identification information from the token; and
providing a copy of the bundle to the recipient having the token;
wherein the bundle identification information comprises a value generated randomly within a range of one million or more possible values; and
wherein the token includes an expiry date.

59 (new). A method according to claim 58 wherein communicating with the bundle server comprises:

obtaining a current date, and,
communicating with the bundle server only if the expiry date is later than the current date.

60 (new). A method for sharing data with one or more recipients, the method comprising:

identifying a selection of data to be shared;
creating and storing a bundle containing information about the selection of data in a location accessible by a bundle server;
associating bundle identification information with the bundle;
creating a token representing the bundle, the token including the bundle identification information;
providing the token to a recipient;
establishing communication between the recipient and the bundle server;
receiving a request for the bundle from the recipient, the request comprising at least in part the bundle identification information from the token; and

providing a copy of the bundle to the recipient having the token;
wherein the bundle identification information comprises a value
generated randomly within a range of one million or more possible values;
wherein the bundle includes an expiry date; and
wherein the method comprises:
periodically obtaining a current date at the bundle server; and,
deleting one or more bundles, for which the expiry date is
earlier than the current date.

61 (new). A method for sharing data with one or more recipients, the
method comprising:

identifying a selection of data to be shared;
creating and storing a bundle containing information about the
selection of data in a location accessible by a bundle server;
associating bundle identification information with the bundle;
creating a token representing the bundle, the token including the
bundle identification information;
providing the token to a recipient;
establishing communication between the recipient and the bundle
server;
receiving a request for the bundle from the recipient, the request
comprising at least in part the bundle identification information from the token; and
providing a copy of the bundle to the recipient having the token;
wherein the bundle identification information comprises a value
generated randomly within a range of one million or more possible values;
wherein the bundle comprises one or more bundle resources; and
wherein creating a token comprises:
computing a bundle digest based on the one or more bundle
resources;
storing the bundle digest in the token.

62 (new). A method according to claim 61 comprising, after providing
the copy of the bundle to the recipient:

computing a bundle copy digest based on the one or more bundle

resources in the copy of the bundle, and

comparing the bundle digest and the bundle copy digest.

63 (new). The method of claim 62 further comprising, following said creating of said token and prior to said providing of said token:

displaying said stored bundle to a sharer;

allowing the sharer to alter said stored bundle.

64 (new). A method for sharing data with one or more recipient computer systems, the method comprising:

identifying a selection of data to be shared;

creating and storing a bundle containing information about the selection of data in a location accessible by a bundle server;

associating bundle identification information with the bundle;

creating a token representing the bundle, the token including the bundle identification information;

providing the token to a recipient computer system;

establishing communication between the recipient computer system and the bundle server;

receiving a request for the bundle from the recipient computer system, the request comprising at least in part the bundle identification information from the token; and

providing a copy of the bundle to the recipient computer system having the token;

wherein the bundle identification information comprises a value generated randomly within a range of one million or more possible values; and

wherein the recipient computer system and bundle server do not permit unsolicited communication and said method further comprises establishing communication between the recipient computer system and the destination bundle server using a relay service, said establishing including:

establishing a bundle server protocol with a plurality of bundle servers to receive ongoing communications from the plurality of bundle servers, said plurality of bundle servers including said destination bundle server;

storing a communication from the recipient computer system to the destination bundle server;

establishing a recipient protocol with the recipient computer system to receive ongoing communications from the recipient computer system;

replying to an ongoing communication from the destination bundle server, providing the stored communication from the recipient computer system to the destination bundle server;

storing a communication from the destination bundle server to the recipient computer system; and

replying to an ongoing communication from the recipient computer system, providing the stored communication from the destination bundle server to the recipient computer system.

65 (new). A method for sharing data with one or more recipients, the method comprising:

identifying a selection of data to be shared;

creating and storing a bundle containing information about the selection of data in a location accessible by a bundle server;

associating bundle identification information with the bundle;

creating a token representing the bundle, the token including the bundle identification information;

providing the token to a recipient;

establishing communication between the recipient and the bundle server;

receiving a request for the bundle from the recipient, the request comprising at least in part the bundle identification information from the token; and

providing a copy of the bundle to the recipient having the token;

wherein said identifying is computer mediated and further comprises selecting, in a queue of undelivered email messages, one of said email messages as having one or more attachments in excess of a predetermined threshold; said method further comprises replacing said attachment in said email with said token; and said sending further comprises delivering said email with said token to said recipient computer system.

66 (new). A method for sharing data of a sharer with a recipient, the method comprising:

displaying on a user interface of a sharer computer system, files and folders accessible to the sharer computer system;

receiving via said user interface, a selection by the sharer of files from said accessible files and folders;

creating a bundle including said selection of files in a bundle store accessible to a bundle server, said creating being responsive to said receiving;

associating said bundle with a bundle identifier that is private and has a value that is one of one million or more possible values;

generating a token in said sharer computer system, said token including said bundle identifier and a communication address of said bundle server, said generating being computer-mediated;

sending said token from said sharer computer system to a different, recipient computer system;

receiving a communication at said bundle server;

testing said communication, said testing including determining whether said communication includes said bundle identifier; and

delivering at least part of said bundle responsive to said receiving and testing, when said testing determines at least that said communication includes said bundle identifier.

67 (new). The method of claim 66 comprising delivering said bundle when said testing determines that said communication includes said bundle identifier.

68 (new). The method of claim 67 wherein said receiving is from said recipient computer system and said delivering is to said recipient computer system.

69 (new). The method of claim 68 wherein said bundle server comprises another computer system separate from said sharer computer system and said recipient computer system, said bundle server includes said bundle store, and said creating further comprises sending said files and/or folders to said bundle server.

70 (new). The method of claim 69 wherein said sending further comprises providing said token as an attachment to an e-mail communication.

71 (new). The method of claim 66 wherein said bundle server comprises another computer system separate from said sharer computer system and said recipient computer system, said bundle server includes said bundle store, and said creating further comprises sending said files and/or folders to said bundle server.

72 (new). The method of claim 66 further comprising maintaining a record of contents of said delivered bundle.

73 (new). The method of claim 66 further comprising maintaining a copy of said bundle following said delivering.

74 (new). The method of claim 66 wherein said generating further comprises deriving contextual information about said selection of files and adding said contextual information to said token.

75 (new). The method of claim 74 wherein said contextual information includes a digest of said bundle.

76 (new). The method of claim 66 further comprising, following said generating of said token and prior to said sending of said token, allowing the sharer to alter said bundle in said bundle store.

77 (new). The method of claim 66 further comprising sending said token to a plurality of additional recipient computer systems, repeating said receiving, testing, and delivering at least once.

78 (new). The method of claim 66 wherein said bundle identifier has a value that is one of 10^{20} or more possible values.

79 (new). The method of claim 66 wherein said bundle identifier has a value that is one of 10^{30} or more possible values.

80 (new). The method of claim 66 further comprising maintaining a ratio of a number of the possible values to a number of bundles in the bundle store to be at least 10EXP15:1.

81 (new). The method of claim 66 further comprising maintaining a ratio of a number of the possible values to a number of bundles in the bundle store to be at least 10EXP20:1.

82 (new). The method of claim 66 wherein the ratio of a number of the possible values to a number of bundles in the bundle store exceeds a maximum number of requests for bundles that could be made in one year at a maximum request rate of the bundle server by a factor of at least 1000.

83 (new). The method of claim 66 wherein said bundle store is associated with a bundle store key pair generated by an asymmetric encryption system, said key pair including a bundle store public key and a bundle store private key, and wherein said generating further comprises including said bundle store public key in said token.

84 (new). The method of claim 83 further comprising:
receiving one or more communications at said bundle server, said communications encrypted with said bundle store public key; and
sending one or more other communications from the bundle server, said communications encrypted with said bundle store private key.

85 (new). The method of claim 83 wherein said token includes an encrypted bundle name, corresponding to a bundle name associated with the bundle, the encrypted bundle name generated using the bundle store private key.

86 (new). The method of claim 66 further comprising:
receiving a pass-phrase from a user of said sharer computer system;
and
prior to said sending, encrypting said token wherein said token can be decrypted with use of said pass-phrase.

87 (new). The method of claim 66 wherein said generating further comprises:

- creating a bundle key;
- encrypting at least a part of said bundle using said bundle key; and,
- storing said bundle key in said token.